=> file casreact
FILE 'CASREACT' ENTERED AT 15:21:52 ON 19 OCT 2004

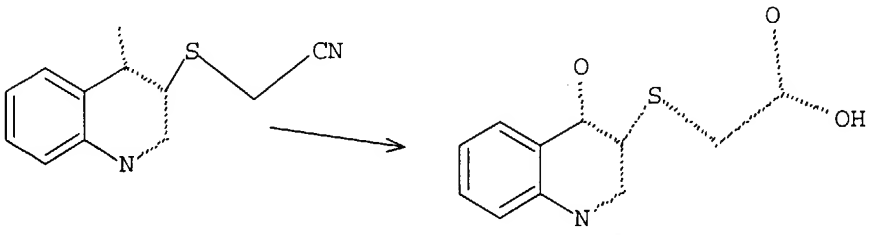
FILE CONTENT:1840 - 17 Oct 2004 VOL 141 ISS 16

****
*
* CASREACT now has more than 8 million reactions
*
****

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que
L1 STR



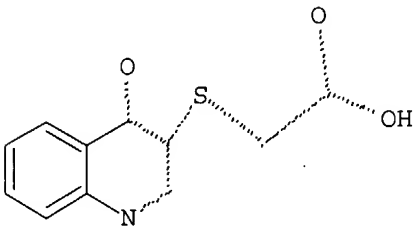
Structure attributes must be viewed using STN Express query preparation.
L3 0 SEA FILE=CASREACT SSS FUL L1 (0 REACTIONS)

=> => file caplus
FILE 'CAPLUS' ENTERED AT 15:22:44 ON 19 OCT 2004

FILE COVERS 1907 - 19 Oct 2004 VOL 141 ISS 17
FILE LAST UPDATED: 18 Oct 2004 (20041018/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d que
L4 STR



Structure attributes must be viewed using STN Express query preparation.
L6 9 SEA FILE=REGISTRY SSS FUL L4

=> d l6 1-9 ibib abs hitstr
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

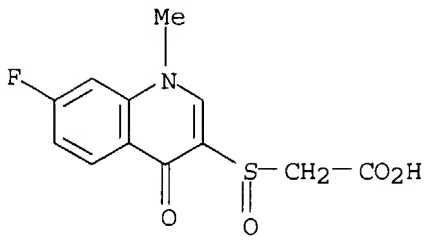
=> => d l7 1-3 ibib abs hitstr

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:696541 CAPLUS
DOCUMENT NUMBER: 139:230631
TITLE: Four-step process for the preparation of 3-carboxymethylsulfinyl-7-fluoro-3-methyl-4-quinolone from flosequinan
INVENTOR(S): Kwiatkowski, Stefan; Golinski, Miroslaw
PATENT ASSIGNEE(S): R.T. Alamo Ventures I, LLC, USA
SOURCE: U.S. Pat. Appl. Publ., 8 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 4
PATENT INFORMATION:

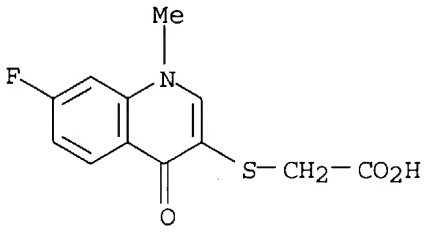
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 2003166678	A1	20030904	US 2002-281800		20021028
US 6689791	B2	20040210			
US 2003191152	A1	20031009	US 2002-282286		20021028
PRIORITY APPLN. INFO.:			US 2002-360829P	P	20020301
			US 2002-360954P	P	20020301
			US 2002-361146P	P	20020301
			US 2002-361150P	P	20020301
			US 2002-403033P	P	20020813

AB A four-step process for the preparation of 3-carboxymethylsulfinyl-7-fluoro-3-methyl-4-quinolone from flosequinan is presented.
IT **591781-23-6P**
RL: BCP (Biochemical process); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); PROC (Process)
(four-step process for the preparation of 3-carboxymethylsulfinyl-7-fluoro-3-methyl-4-quinolone from flosequinan)
RN 591781-23-6 CAPLUS
CN Acetic acid, [(7-fluoro-1,4-dihydro-1-methyl-4-oxo-3-quinolinyl)sulfinyl]-

(9CI) (CA INDEX NAME)



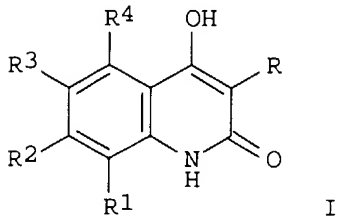
IT **591781-25-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(in a four-step process for the preparation of 3-carboxymethylsulfinyl-7-fluoro-3-methyl-4-quinolone from flosequinan)
RN 591781-25-8 CAPLUS
CN Acetic acid, [(7-fluoro-1,4-dihydro-1-methyl-4-oxo-3-quinolinyl)thio]- (9CI) (CA INDEX NAME)



L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:163892 CAPLUS
DOCUMENT NUMBER: 124:202042
TITLE: Preparation of 3-aralkylthio-4-hydroxy-2-quinolones and analogs as NMDA receptor antagonists
INVENTOR(S): Allgeier, Hans
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Eur. Pat. Appl., 27 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 685466	A1	19951206	EP 1995-810344	19950523
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE				
AU 9520336	A1	19951214	AU 1995-20336	19950526
CA 2150645	AA	19951203	CA 1995-2150645	19950531
FI 9502650	A	19951203	FI 1995-2650	19950531
NO 9502171	A	19951204	NO 1995-2171	19950601
ZA 9504507	A	19960201	ZA 1995-4507	19950601
CN 1120538	A	19960417	CN 1995-106179	19950601
HU 72608	A2	19960528	HU 1995-1598	19950601
US 5633379	A	19970527	US 1995-456358	19950601
JP 08041027	A2	19960213	JP 1995-136724	19950602
BR 9502647	A	19960423	BR 1995-2647	19950602

PRIORITY APPLN. INFO.: CH 1994-1732 19940602
OTHER SOURCE(S): MARPAT 124:202042
GI

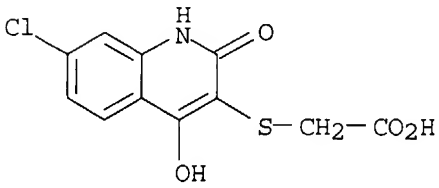


I

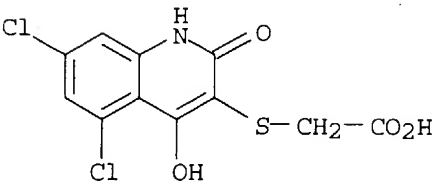
AB Title compds. [I; R = Z1Z2R5; R1-R4 = H, aliphatic hydrocarbyl, OH, halo, etc.; R5 = Ph, CO2H, alkoxycarbonyl, etc.; Z1 = O, (oxidized) S; Z2 = divalent aliphatic group] were prepared Thus, Me 4-chloroanthranilate was amidated by BrCOCH2Br and the product etherified by Ph(CH2)3SH to give, after cyclization, I [R = (CH2)3Ph, R1 = R3 = R4 = H, R2 = Cl]. I had IC50 of 0.07-1.25μM against 5,7-dichlorokynurenic acid binding at rat cortex and hippocampus membrane preparation in vitro.

IT **174455-65-3P 174455-66-4P 174455-72-2P**
174455-94-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 3-aralkylthio-4-hydroxy-2-quinolones and analogs as NMDA receptor antagonists)

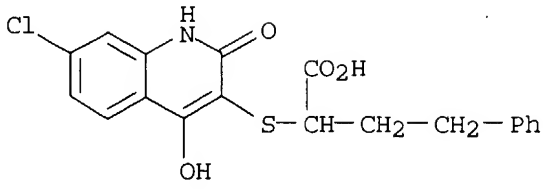
RN 174455-65-3 CAPLUS
CN Acetic acid, [(7-chloro-1,2-dihydro-4-hydroxy-2-oxo-3-quinolinyl)thio]- (9CI) (CA INDEX NAME)



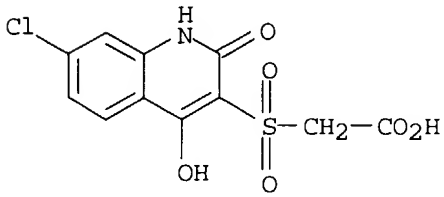
RN 174455-66-4 CAPLUS
CN Acetic acid, [(5,7-dichloro-1,2-dihydro-4-hydroxy-2-oxo-3-quinolinyl)thio]- (9CI) (CA INDEX NAME)



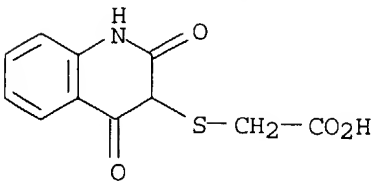
RN 174455-72-2 CAPLUS
CN Benzenebutanoic acid, α-[(7-chloro-1,2-dihydro-4-hydroxy-2-oxo-3-quinolinyl)thio]- (9CI) (CA INDEX NAME)



RN 174455-94-8 CAPLUS
CN Acetic acid, [(7-chloro-1,2-dihydro-4-hydroxy-2-oxo-3-quinolinyl)sulfonyl]- (9CI) (CA INDEX NAME)



L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1968:39555 CAPLUS
DOCUMENT NUMBER: 68:39555
TITLE: Synthesis of quinolino heterocycles
AUTHOR(S): George, T.; Tahilramani, R.
CORPORATE SOURCE: CIBA Res. Centre, Bombay, India
SOURCE: Tetrahedron (1968), 24(2), 1007-10
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 68:39555
GI For diagram(s), see printed CA Issue.
AB Starting from 4-hydroxycarbostyril, a synthesis of 2,3,9,10 tetrahydro-3,10-dioxoquinolino-[3,4-b]-1,4-thioxin (I) and 2,3-dihydro-3-oxo-9-chloro-4-methylquinolino[3,2-b]thiazine (II) derivs. was achieved. The spectral data of the intermediates as well as the final transformation products are discussed.
IT **16797-17-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 16797-17-4 CAPLUS
CN Acetic acid, [(1,2,3,4-tetrahydro-2,4-dioxo-3-quinolyl)thio]- (8CI) (CA INDEX NAME)



=>